

Entered: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

NCR No. _____

Route update only ☐

Job: <u>102570-A</u> Part No. <u>20NR REV. 2</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date : <u>05/21/2019</u>	Sequence #:	QTY Affected :		MRB (QSI042)
Description Work Order Deviation		Disposition		
SOLENOID COVER DOES NOT FIT FLUSH AGAINST SURFACE OF THE SIDE PLATE WITH SOLENOID INSTALLED <u>M304S22GA (5021857) = .6 SE (15 min)</u> <u>8090(5089312) = 1.1 SE (15 min)</u>		IT IS ACCEPTABLE TO USE A M304S22GA SHIM, CUT TO THE PROFILE OF THE SOLENOID COVER, IN ORDER TO ALLOW THE SOLENOID COVER TO SIT FLUSH AGAINST THE SURFACE OF THE SIDE PLATE. INSTALL A N-8090-033 GASKET ON BOTH SIDES OF THE M304S22GA SHIM. THIS DEVIATION IS ACCEPTABLE THE FIT, FORM, AND FUNCTION OF THE PART WILL BE AS ORIGINALLY INTENDED		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☒ X Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		
Other/Details:				

FCGW 20NR-02 Shim Profile.

Entered: _____ Date: _____

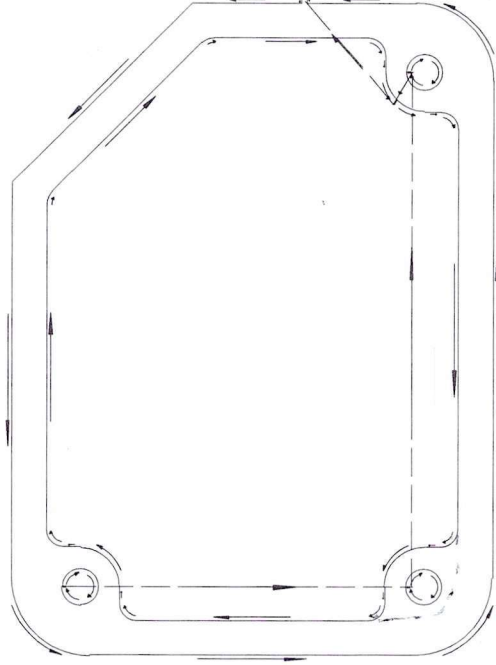


WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

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Job: _____ Part No. <u>20NR REV. 2</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date : <u>05/21/2019</u>	Sequence #:	QTY Affected :	MRB (QSI042)	
Description Work Order Deviation		Disposition		
SOLENOID COVER DOES NOT FIT FLUSH AGAINST SURFACE OF THE SIDE PLATE WITH SOLENOID INSTALLED 8090 M304S22GA (5021857) (20 mm) 8090 (5089312) (20 mm)		IT IS ACCEPTABLE TO USE A M304S22GA SHIM, CUT TO THE PROFILE OF THE SOLENOID COVER, IN ORDER TO ALLOW THE SOLENOID COVER TO SIT FLUSH AGAINST THE SURFACE OF THE SIDE PLATE. INSTALL A N-8090-033 GASKET ON BOTH SIDES OF THE M304S22GA SHIM. THIS DEVIATION IS ACCEPTABLE THE FIT, FORM, AND FUNCTION OF THE PART WILL BE AS ORIGINALLY INTENDED		
		Completed By _____ Lead hand / Supervisor _____ QC / QA Coordinator _____		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☒ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		
		Other/Details: _____		



Customer:
Designer:
Quantity:
Date:
Jobno: